

To: R8 Environmental Unit Leader[R08_Environmental_Unit_Leader@epa.gov]
From: OBrien, Wendy
Sent: Tue 8/18/2015 2:10:49 PM
Subject: FW: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

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1595 Wynkoop Street

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From: OBrien, Wendy
Sent: Tuesday, August 18, 2015 8:10 AM
To: Keteles, Kristen
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

ok – I'll aim for early afternoon in case we get any additional data.

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From: Keteles, Kristen
Sent: Tuesday, August 18, 2015 8:07 AM
To: OBrien, Wendy
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Yes, that would be good. I've got meetings at 9, 10:30 and 11:30.

From: OBrien, Wendy
Sent: Tuesday, August 18, 2015 8:06 AM
To: Keteles, Kristen
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Ok – want me to set something up? Deb's not in her office but I can call her cell.....

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From: Keteles, Kristen
Sent: Tuesday, August 18, 2015 8:05 AM
To: OBrien, Wendy
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Ok thanks.

You, me and Deb should talk about the messaging at some point today.

From: OBrien, Wendy
Sent: Tuesday, August 18, 2015 8:04 AM
To: Keteles, Kristen
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

I do not know for sure but near as I can tell GKM 09 is between Durango and the NM border. Still searching re location of GKM 13. Will let you know what I'm able to find.

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From: Keteles, Kristen
Sent: Monday, August 17, 2015 6:22 PM
To: OBrien, Wendy
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Deliberative Process/Ex. 5

From: OBrien, Wendy
Sent: Monday, August 17, 2015 12:12 PM
To: Atencio, Kathie
Cc: McKean, Deborah; Wharton, Steve; Brobst, Bob; Keteles, Kristen
Subject: RE: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Hi Kathie,

I've completed a review of the latest validated data for surface water (08-16-14) and potable water (08-16-15). I've attached the spreadsheets, in which I highlighted the exceedances of our screening values. In the spreadsheets, I've highlighted exceedances of recreational screening values in yellow and exceedances of MCLs in blue.

Results are summarized below.

SURFACE WATER (all values in ug/L)

Please note that most of the results in these tables I received represent dissolved metals; there are a few total metal results in the "Update" table. I compared sample results for dissolved metals to recreational screening values (as per agreement among unified R6, R8, and R9 Environmental Units). For agricultural evaluation, the State of Colorado agricultural standards are based on total metals. In most cases, total metal results were not available, so I compared sample results for dissolved metals to the Colorado agricultural standards. When total metal results were available, I compared them to the Colorado agricultural standards; otherwise I used the sample

results for dissolved metals to compare to Colorado agricultural standards. Sample results displayed below represent dissolved metals unless otherwise noted.

RECREATIONAL EXCEEDANCES FOR SURFACE WATER

GKM09: Exceedance of recreational screening value for cobalt (sample = 110; recreational screening value = 50)

Exceedance of recreational screening value for manganese (sample = 33000; recreational screening value = 7800)

GKM13: Exceedances of recreational screening value for cobalt (sample = 100, recreational screening value = 50)

Exceedances of recreational screening value for manganese (sample = 30000, recreational screening value = 7800)

POTABLE WATER (all values in ug/L)

Note that the data I reviewed represent total metals.

GKMTW109: Exceedance of secondary MCL for iron (sample = 2200; 2^oMCL = 300)

GKMTW136: Exceedance of secondary MCL for iron (sample = 1700; 2^oMCL = 300)

Exceedance of secondary MCL for manganese (sample = 340; 2^oMCL = 50)

- GKMTW147: Exceedance of secondary MCL for iron (sample = 600; 2^oMCL = 300)
Exceedance of secondary MCL for manganese (sample = 54; 2^oMCL = 50)
- GKMTW151: Exceedance of secondary MCL for iron (sample = 590; 2^oMCL = 300)
Exceedance of secondary MCL for manganese (sample = 340; 2^oMCL = 50)
- GKMTW312: Exceedance of MCL for copper (sample = 2700; MCL = 1300)
Exceedance of MCL for lead (sample = 18; MCL = 15)
Exceedance of secondary MCL for iron (sample = 77000; 2^oMCL = 300)
Exceedance of secondary MCL for manganese (sample = 470; 2^oMCL = 50)
- GKMTW316: Exceedance of MCL for arsenic (sample = 20; MCL = 10)
Exceedance of secondary MCL for iron (sample = 4200; 2^oMCL = 300)
Exceedance of secondary MCL for manganese (sample = 68; 2^oMCL = 50)

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From: Atencio, Kathie
Sent: Monday, August 17, 2015 9:47 AM
To: OBrien, Wendy
Cc: McKean, Deborah
Subject: FW: R8 Validated Data that is not on EPA.gov Gold King Mine Site

Hi Wendy,

Second email with additional data that has been validated, but just not posted to the EPA website. We are no longer doing messaging for the data, so you don't have to review it for that purpose unless the messaging has changed.

Thanks,

Kathie

AC EUL, 303-898-6414

From: Latham (Polinko), Janine [REDACTED]
Sent: Monday, August 17, 2015 5:45:42 PM
To: McKean, Deborah; Burgo, Daniel; Wall, Dan; Atencio, Kathie
Cc: [REDACTED] Adamczyk, Megan;
Brad [REDACTED] aefer, Joe; Delgado, Eric
Subject: R8 Validated Data that is not on EPA.gov Gold King Mine Site

CBI/Ex. 4

Attached you can find the additional samples the Dan Burgo identified yesterday that are in need of review to be posted to the EPA.gov site.

From: Latham (Polinko), Janine

Sent: Sunday, August 16, 2015 11:49 PM
To: 'mckean.deborah@epa.gov' <mckean.deborah@epa.gov>; Burgo, Daniel
(Burgo.Daniel@epa.gov) <Burgo.Daniel@epa.gov>; 'wall.dan@epa.gov' <wall.dan@epa.gov>;
'Atencio.Kathie@epa.gov' <Atencio.Kathie@epa.gov>
Cc: Lucotch, John <John.Lucotch@WestonSolutions.com>; Adamczyk, Megan
<Megan.Adamczyk@WestonSolutions.com>; Morgan, Bradley
<Brad.Morgan@WestonSolutions.com>; Joe Schaefer <schaefer.joe@epa.gov>;
"Delgado.eric@epa.gov" (Delgado.eric@epa.gov) <Delgado.eric@epa.gov>
Subject: Validated Data Delivery 08162015

Attached you can find the new validated data for Region 8 for 8.16.2015 separated by Matrix.

1. R8_Potable Water Summary Table 08-16-15
2. R8_Surface Water Summary Table 08-16-15

Thanks.

Janine Polinko Latham

Technical Manager

CBI/Ex. 4

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